

Fig. 1a  
(PRIOR ART)

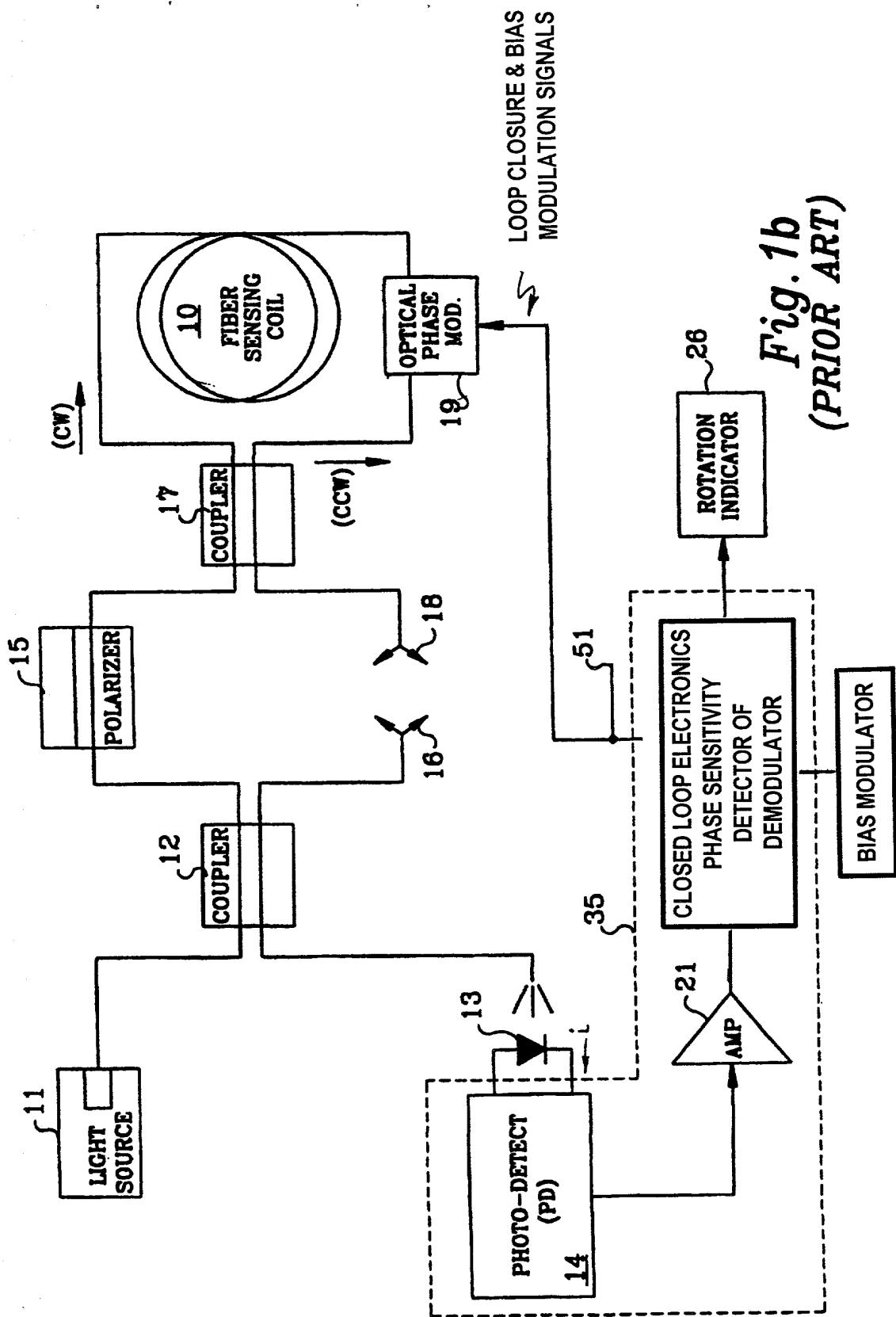
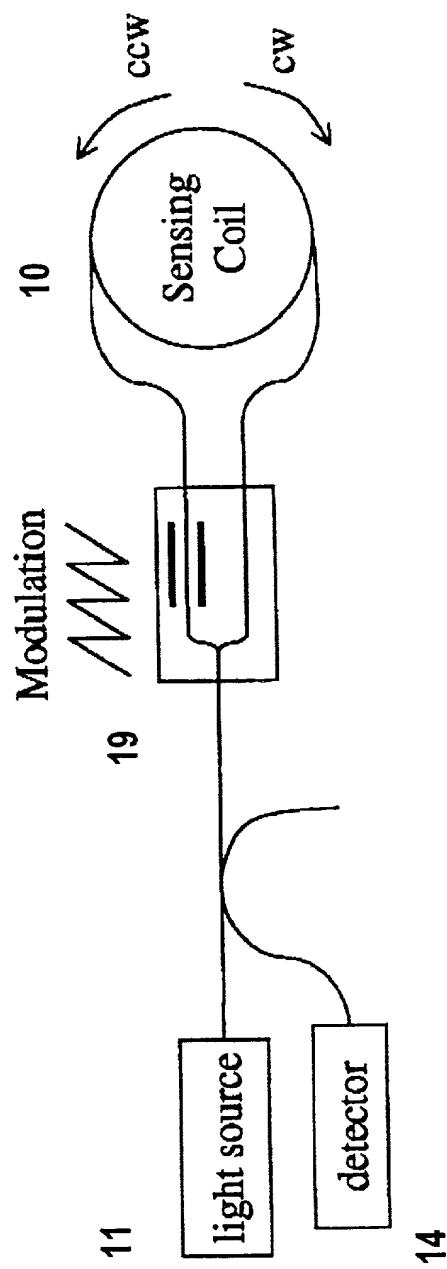
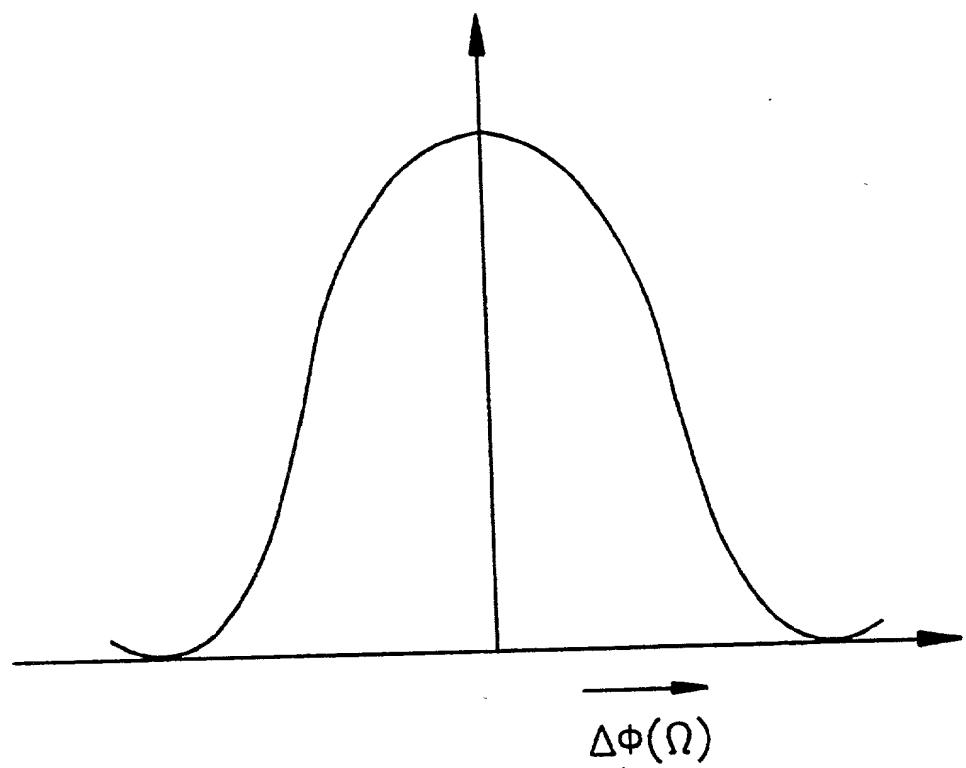


Fig. 1b  
(PRIOR ART)

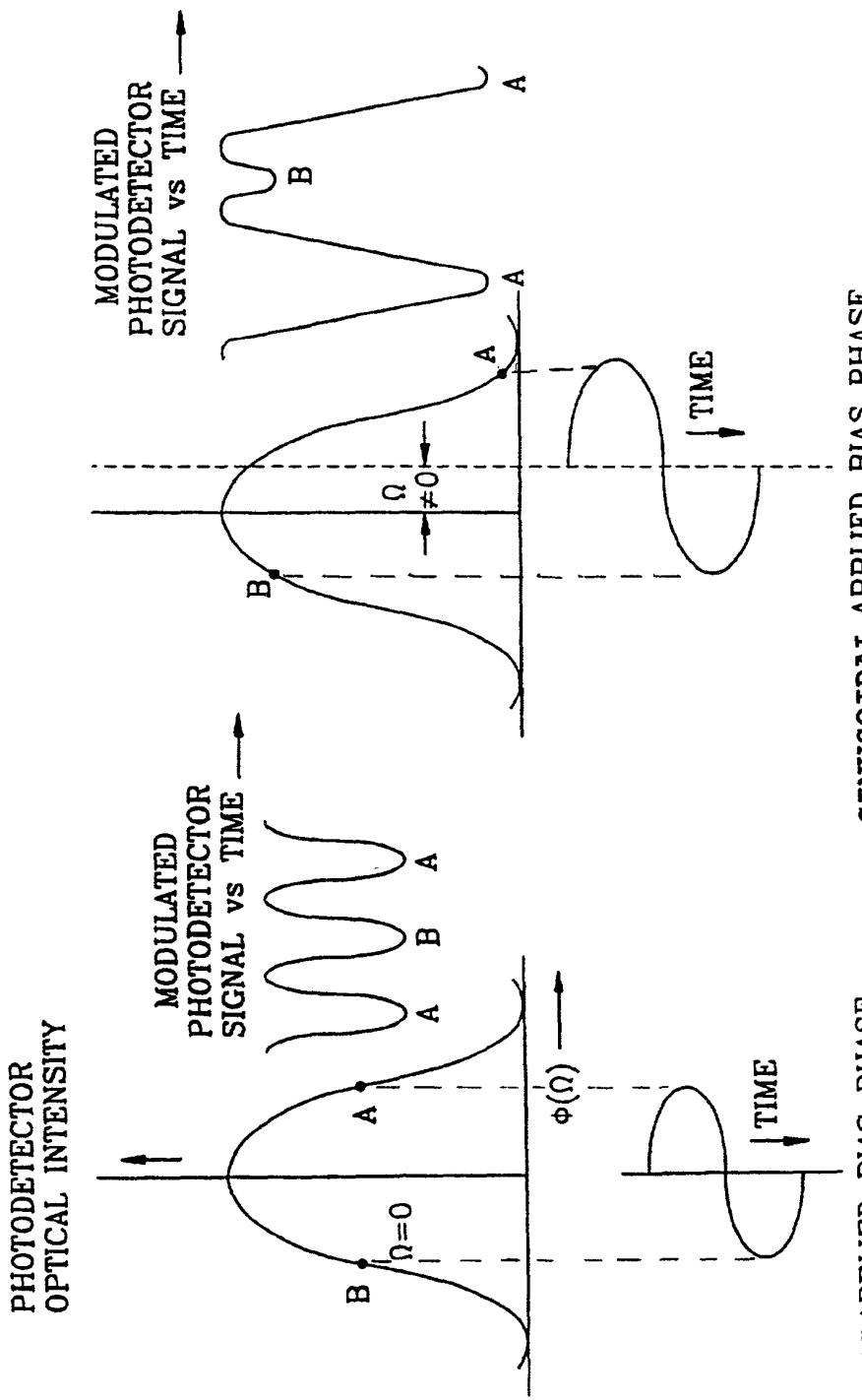


**Figure 1c**

DETECTED OPTICAL INTENSITY  
OR DETECTOR OUTPUT CURRENT



*Fig. 2*



SINUSOIDAL APPLIED BIAS PHASE MODULATION AT  $f_b$

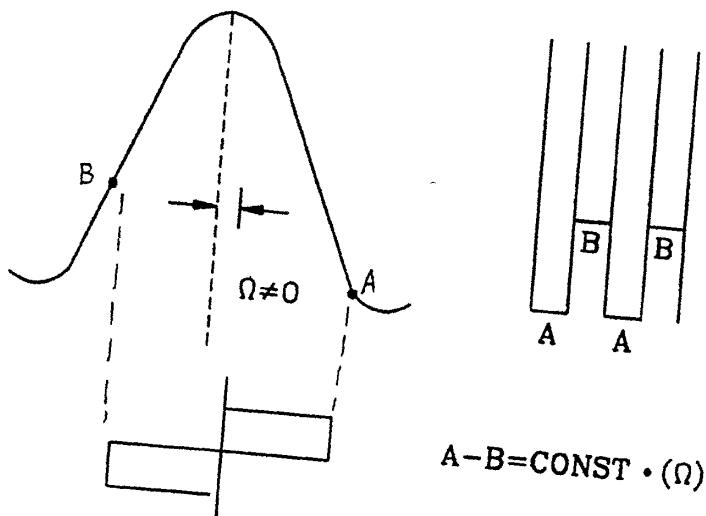
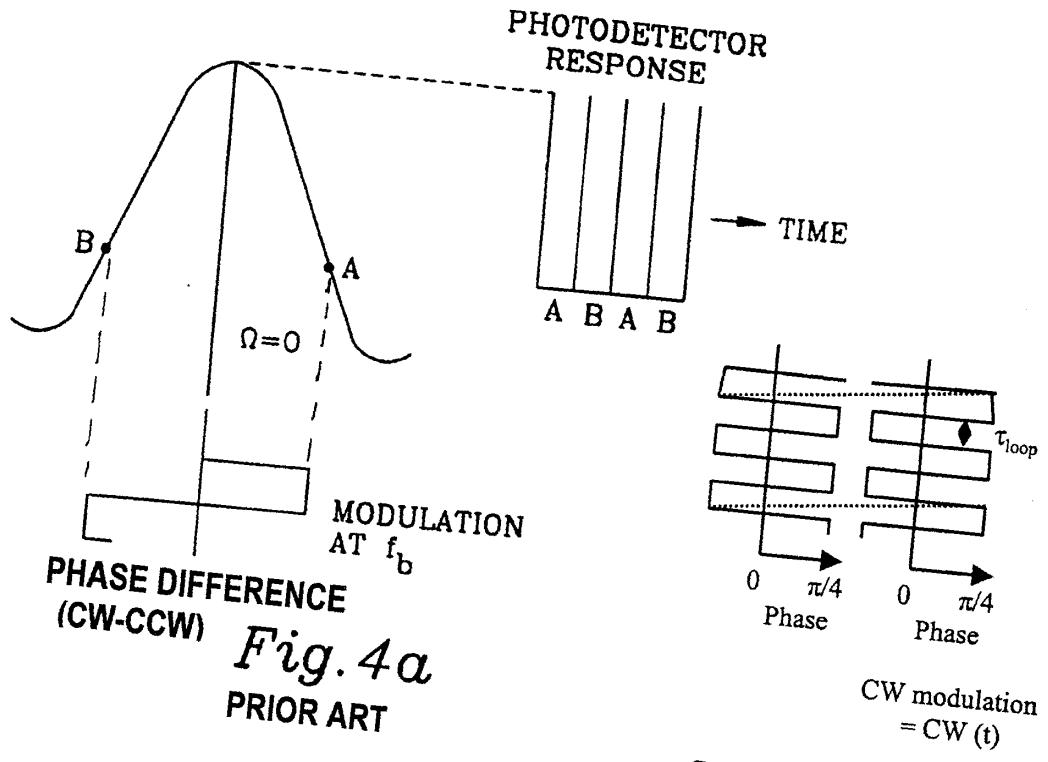
Fig. 3b

PRIOR ART

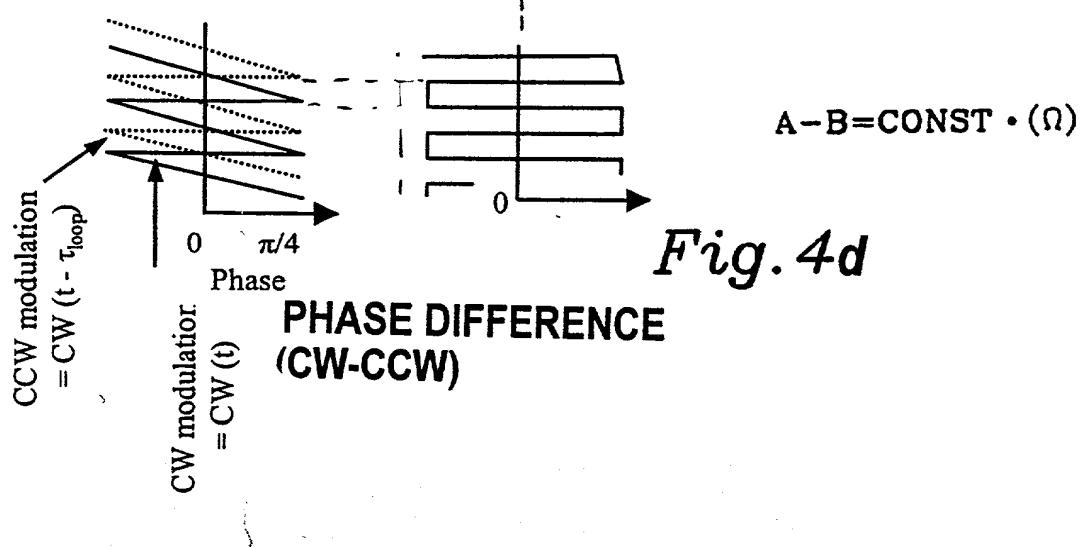
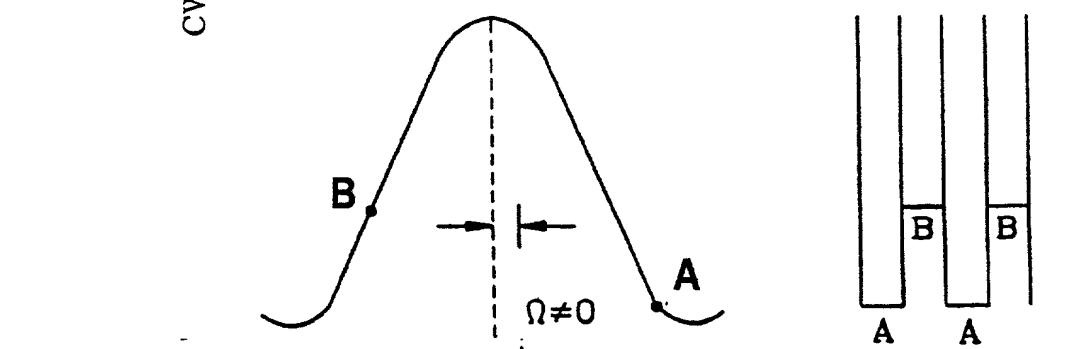
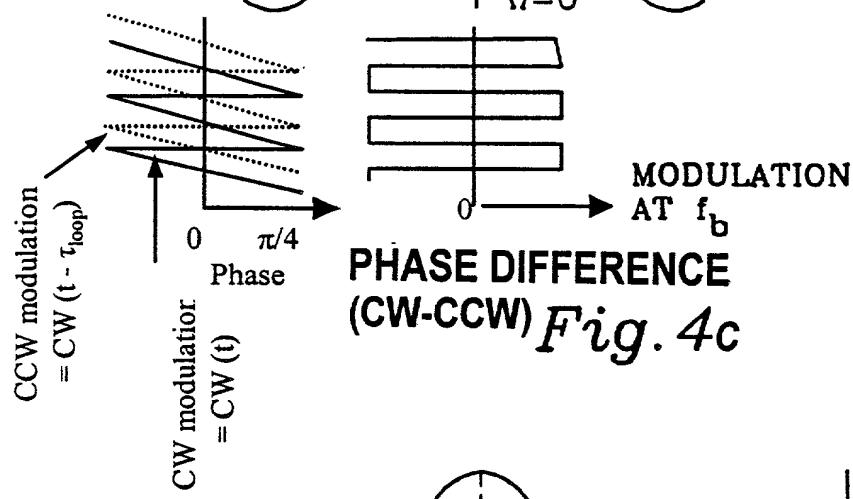
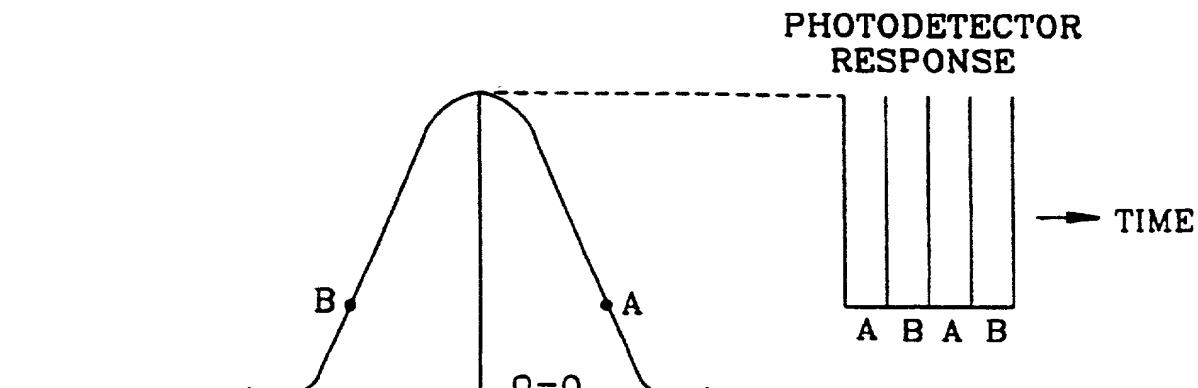
SINUSOIDAL APPLIED BIAS PHASE MODULATION AT  $f_b$

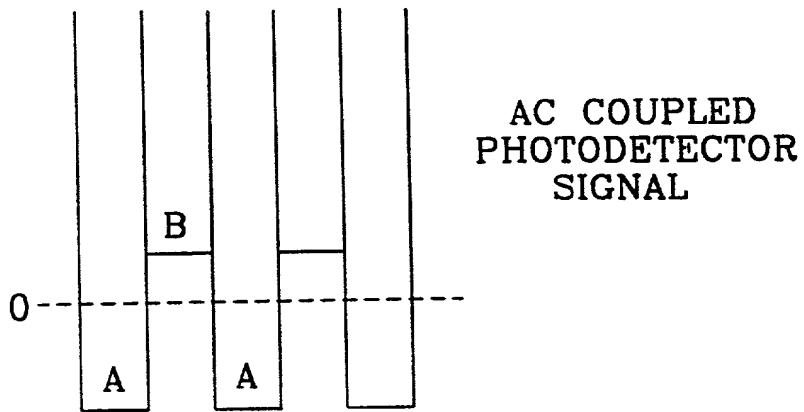
Fig. 3b

PRIOR ART

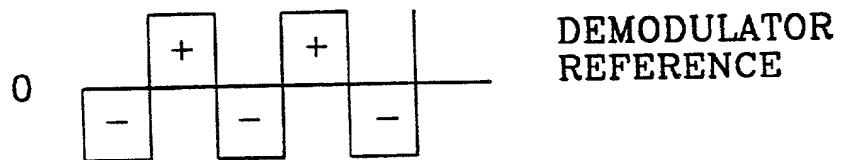


PHASE DIFFERENCE (CW-CCW) *Fig. 4b*  
PRIOR ART

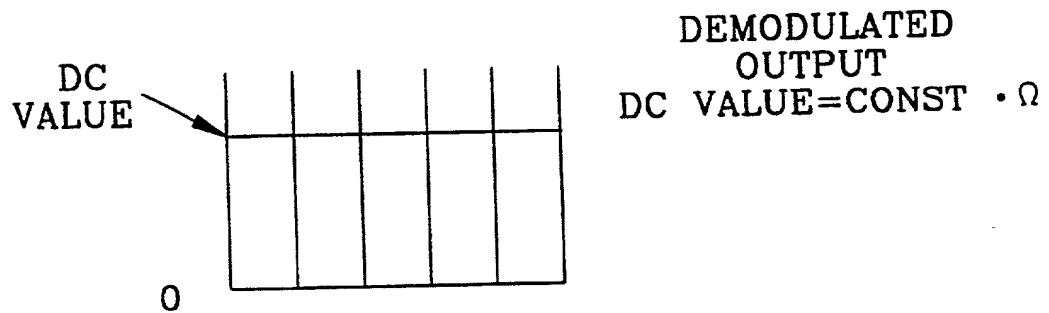




*Fig. 5a*



*Fig. 5b*



*Fig. 5c*

FIGURE 6

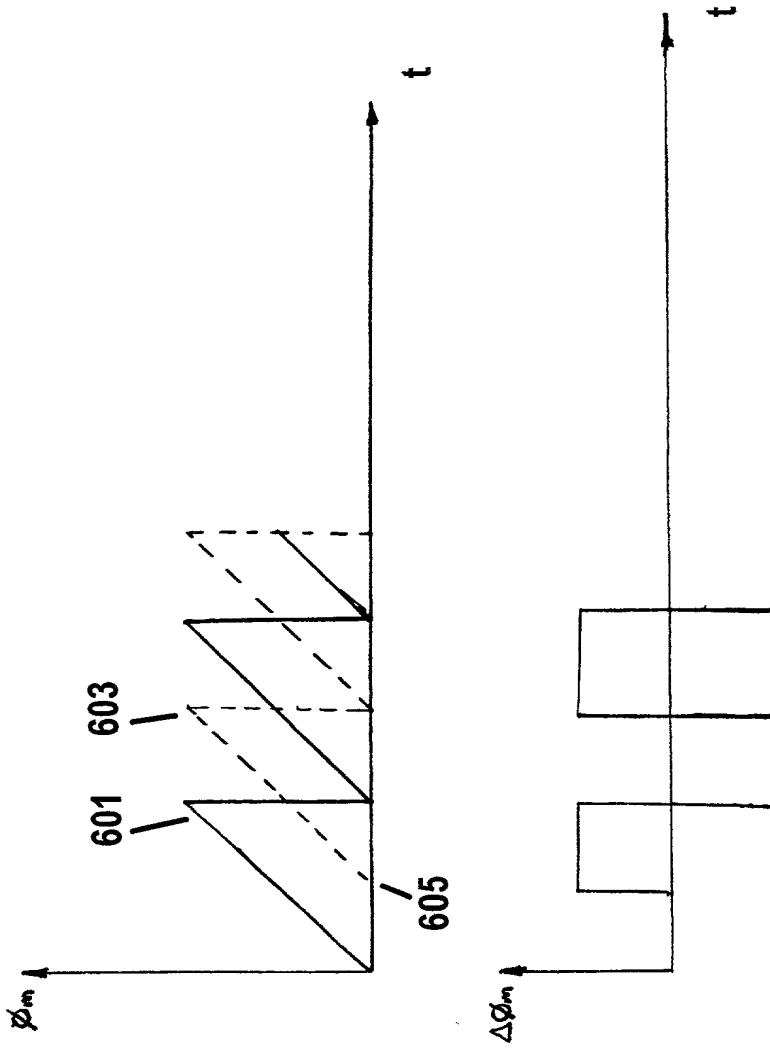
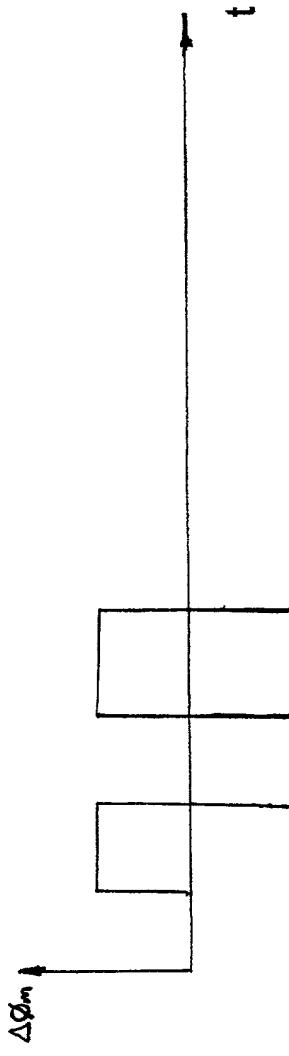
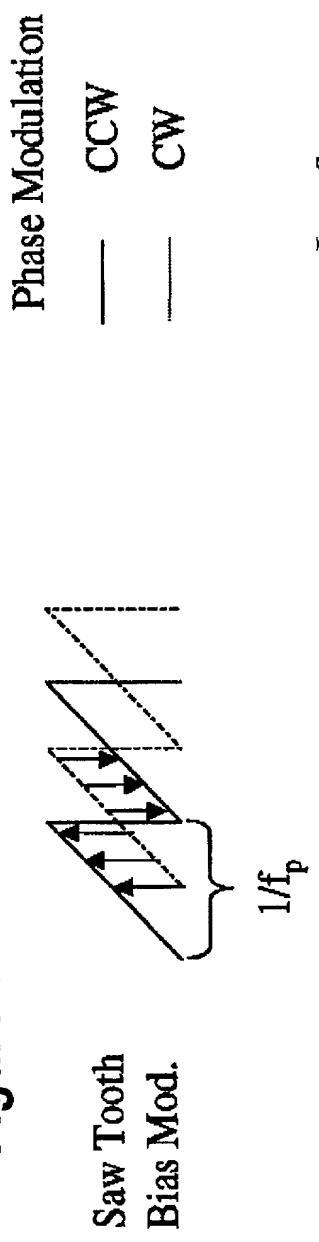


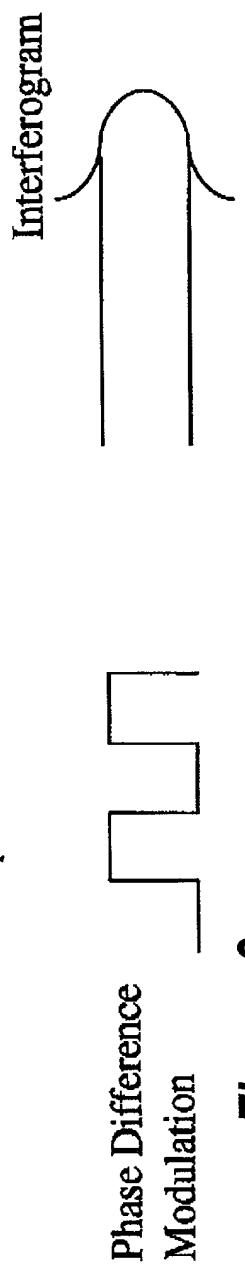
FIGURE 7



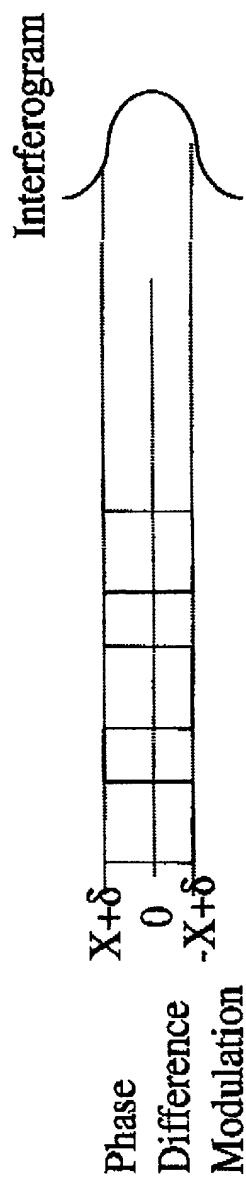
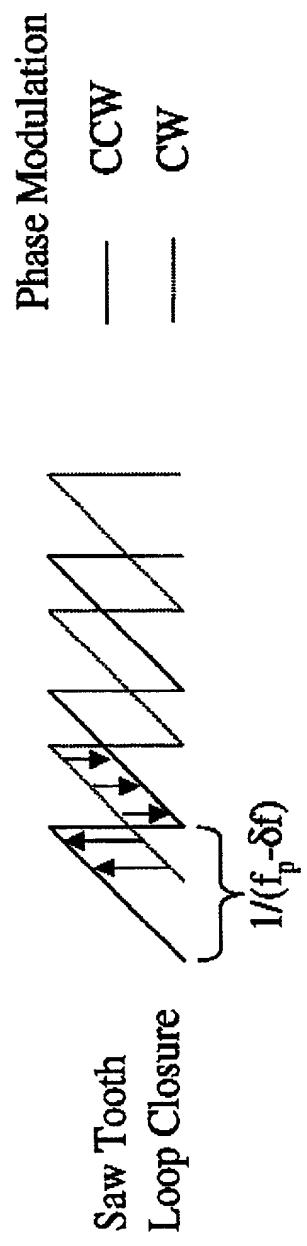
**Figure 8**



**Figure 9**



**Figure 10**



**Figure 11**